



**June 21, 2023 - 15:00 - aula A**



**Manuela Boscolo**  
INFN LNF

## **Future Circular Collider**

This seminar will summarise the design of FCC-ee, covering the latest accelerator layout and beam parameters, the R&D plan for key technologies, ongoing placement studies, and a possible implementation schedule. The progress in the interaction region and machine-detector-interface design, where the Italian contribution with INFN-Frascati has a well-established leading role will be discussed, together with the main core work on the FCC-ee collider optimisation.

The luminosity-frontier electron-positron collider (FCC-ee) is part of the proposed Future Circular Collider (FCC) programme which consists of FCC-ee followed by an energy-frontier hadron collider (FCC-hh). This study is well aligned with the 2020 Update of the European Strategy for Particle Physics that requested a global feasibility study of a future 100 TeV hadron collider at CERN, with an electron-positron Higgs and electroweak factory as a possible first stage.

**Aula virtuale**

